

Yorkshire Dales National Park

Forecast valid from 00:00 on Wednesday 27 Dec 2023 until 23:59 on Thursday 28 Dec 2023

Forecast Issued on Tuesday 26 Dec 2023 at 11:35

Confidence: High confidence for unsettled conditions, lower confidence for detail towards the end of the week.

Headline for Wednesday 27 Dec 2023: Very wet and windy on Wednesday, improving into the evening.

Mountain weather hazards on Wednesday 27 Dec 2023

Blizzards

No Likelihood

Gales

Low Likelihood

Thunderstorms

No Likelihood

Heavy persistent snow

No Likelihood

Severe chill effect

Medium Likelihood

Heavy persistent rain

High Likelihood

Storm force winds

No Likelihood

Poor visibility

Medium Likelihood

Strong sunlight

No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
							
Light rain	Sleet	Sleet	Heavy Rain	Heavy Rain	Heavy Rain	Partly cloudy (night)	Heavy rain showers (night)
Precipitation probability							
60%	80%	80%	80%	70%	60%	30%	60%

Forecast for Wednesday 27 Dec 2023

Weather: Heavy rain, falling as sleet and snow initially on hill tops, will push up from the southwest during the early hours, accompanied by strong winds. This will persist until late afternoon before clearing to the east. Drier with clear spells for a time before heavy rain and hail showers push in from the west late evening.

Chance of cloud-free hill tops above 600m: 20%, improving to 70% for a time late afternoon/evening.

Low Cloud and visibility: Scattered or broken cloud base 500-700m, clearing late afternoon, further cloud base 500-700m later in association with showers. Visibility moderate or poor in heavy rain, sleet or snow, good in drier interludes later.

Forecast for Wednesday 27 Dec 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	14/22 E	22/33 SE	24/37 SE	27/40 SE	31/45 S	25/39 SW	26/40 SW	28/42 SW	32/50 SW
300	11/23 E	15/31 SE	19/41 E	18/40 SE	21/43 S	18/37 SW	18/36 SW	19/38 SW	23/46 SW
Valley	9/21 E	16/34 SE	20/42 E	19/42 SE	18/41 S	18/37 SW	15/32 SW	17/37 S	22/46 SW

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	1/-4	0/-7	-0/-8	2/-5	7/2	6/0	4/-3	2/-4	2/-5
300	3/-1	2/-3	2/-4	5/-0	9/5	8/4	6/1	5/-0	4/-2
Valley	5/2	4/-1	4/-2	7/2	11/7	9/5	7/4	6/2	6/2
Freezing Level*	800m	600m	600m	2100m	2000m	1400m	1100m	1000m	900m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Strong winds and heavy rain will cause hazardous conditions for much of the day.

Recent rainfall: measured at Malham: altitude 375m

Recorded at
15:00 on Tue 26 Dec 2023

Last 24 hours:
3.2mm

Last 48 hours:
11.8mm

Last 72 hours:
31.4mm

Forecast for Thursday 28 Dec 2023

Weather: Scattered heavy showers are expected throughout the day on Thursday accompanied by strong winds. Some sleet on hill tops during the early hours, best chance of drier conditions through the latter part of the night.

Maximum wind: Southwesterly 20-30 mph gusting 35-45 mph

Chance of cloud-free hill tops above 600m: 50%

Low Cloud and visibility: Few or scattered low cloud base 600-800m, lowering to 500m at times during the morning. Visibility moderate or poor in showers or hill fog, otherwise good.

Temperature: **Valleys:** Plus 6 to 8 Celsius
At 600m: Plus 2 to 4 Celsius
Freezing level: 800m at first, rising 1000-1200m